

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 5011-1000	FOR FURTHER ACTION		See item 4 below
International application No. PCT/US2007/085646	International filing date (day/month/year) 27 November 2007 (27.11.2007)	Priority date (day/month/year) 27 November 2006 (27.11.2006)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant INQUIRA INC.			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 7 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I	Basis of the report
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).

Date of issuance of this report 03 June 2009 (03.06.2009)	
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Authorized officer Athina Nickitas-Etienne e-mail: p04.pct@wipo.int

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:
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WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

		Date of mailing (day/month/year)	23 JUL 2008
Applicant's or agent's file reference 5011-1000		FOR FURTHER ACTION See paragraph 2 below	
International application No. PCT/US07/85646	International filing date (day/month/year) 27 November 2007 (27.11.2007)	Priority date (day/month/year) 27 November 2006 (27.11.2006)	
International Patent Classification (IPC) or both national classification and IPC IPC: G06F 17/00 (2006.01);G06N 5/02 (2006.01) G06F 17/00 (2006.01) USPC: 706/46,47;715/205,210,224			
Applicant BIERNER ET AL.			

1. This opinion contains indications relating to the following items:

Box No. I Basis of the opinion
 Box No. II Priority
 Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 Box No. IV Lack of unity of invention
 Box No. V Reasoned statement under Rule 43bis. I(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 Box No. VI Certain documents cited
 Box No. VII Certain defects in the international application
 Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Date of completion of this opinion 17 July 2008 (17.07.2008)	Authorized officer David Vincent Telephone No. 631-834-5549
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Form PCT/ISA/237 (cover sheet) (April 2007)

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Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of:
 - the international application in the language in which it was filed
 - a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - on paper
 - in electronic form
 - c. time of filing/furnishing
 - contained in the international application as filed.
 - filed together with the international application in electronic form.
 - furnished subsequently to this Authority for the purposes of search.
4. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

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Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>NONE</u>	YES
	Claims <u>1-26</u>	NO
Inventive step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-26</u>	NO
Industrial applicability (IA)	Claims <u>1-26</u>	YES
	Claims <u>NONE</u>	NO

2. Citations and explanations:

Please See Continuation Sheet

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

V. 2. Citations and Explanations:

Claims 1-14 novelty under PCT Article 33(2) as being anticipated by Raghavan et al (Crawling the Hidden Web, 2001).

Claim 1

Raghavan discloses a method comprising:
 displaying one or more web pages (web page, see e.g., Sections 1; 3-4, especially P 1; 4-6) having different fields (form, input, see e.g., Sections 1; 3-4, especially P 4; 6-8);
 monitoring actions associated with entering information into the different fields (input, see e.g., Sections 1-4, especially P 4-8; 13-15); and
 dynamically varying what types of support are provided for entering the information into the different fields according to the monitored actions (dynamism, see e.g., Sections 1-4; 5.3-5.4, especially P 4-8; 13-15).

Claim 2

Raghavan discloses the method according to claim 1 further comprising:
 identifying what fields are currently being viewed or filled out (see e.g., Sections 1-4, especially 2.1); and
 dynamically displaying different questions and/or answers associated with the identified fields (results, see e.g., Sections 1-2; 4, especially 2.1).

Claim 3

Raghavan discloses the method according to claim 1 further comprising:
 identifying a context for the web pages or for the fields in the web page that are currently being filled out (see e.g., Section 2-3, especially classifying Dynamic content, which reads on context);
 receiving a question regarding one of the fields (input, query, see e.g., Section 2-3);
 identifying an intent of the question according to the identified context (input dynamism, see e.g., Sections 2-3); and
 conducting a search according to the identified intent (input dynamism, see e.g., Sections 2-3).

Claim 4

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Supplemental Box

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Raghavan discloses the method according to claim 3 further comprising displaying new questions on the web pages associated with search results (new elements, see e.g., Section 2; 5.1; 5.5).

Claim 5

Raghavan discloses the method according to claim 1 further comprising:

- tracking the information entered into the different fields (see e.g., Sections 2-5);
- identifying invalid entries (typing errors, error message, see e.g., Section 5.3-5.6); and
- displaying different on-line support for the identified invalid entries (see e.g., 5.3-5.6).

Claim 9

Raghavan discloses the method according to claim 1 further comprising:

- identifying different priorities associated with different types of transactions on one or more of the web pages (weights, see e.g., Sections 3.2-5.5);
- providing different levels of on-line support for filling out the web pages according to the associated priorities (see e.g., Sections 3-5).

Claim 13

Raghavan discloses the method according to claim 1 further comprising:

- identifying demographic information for users accessing the web pages ("applications that target a heterogeneous user population" see e.g., Sections 2.1-3.3);
- assigning user classifications according to the identified demographic information and
- providing on-line support according to the user classifications (client based dynamism, see e.g., Sections 2.1-3.3).

Claims 6-8, 10-11, and 14 lack novelty based on their dependency on Claim 1.

Claims 15-26 novelty under PCT Article 33(2) as being anticipated by Yolleck et al (US 2006/0179404).

Claim 15

Yolleck discloses a storage medium having stored thereon instructions that, when executed, result in:

- received entries in fields (field for data input, see e.g., [0007]-[0008]; [0022]-[0023]) of a web page form (web page, see e.g., [0004]; [0021]-[0022]);
- identifying different types of entries for the fields (field for data input, see e.g., [0007]-[0008]; [0022]-[0023]); and
- displaying different suggestions for filling in the fields according to the identified types of entries ("automatically populate data fields in forms displayed on web pages" see e.g., [0007]).

Claim 16

Yolleck discloses a storage medium according to claim 15 further comprising instructions that, when executed, result in:

- identifying fields that have invalid entries (see e.g., [0007]-[0008]; [0037]-[0046]; [0055]-[0057]);
- displaying pop-up windows for the identified fields, the pop-up windows providing suggestions for filling in the identified fields ([0037]-[0046]; [0053]).

Claim 19

Yolleck discloses a storage medium according to claim 15 further comprising instructions that, when executed, result in:

- storing prior search or website activity for a user accessing the web page form (see e.g., [0007]-[0008]; [0022]; [0038]);
- identifying meanings of the received entries according to the prior user activity (see e.g., [0007]-[0008]; [0022]; [0038]); and
- displaying different suggestions for filling out the fields in the web page form according to the identified meanings for the received entries (see e.g., [0007]-[0008]; [0022]; [0038]).

Claim 24

Yolleck discloses a storage medium according to claim 15 further comprising instructions that, when executed, result in:

- saving information from the fields in a previously opened web page form in a prior on-line web-session (see e.g., [0007]-[0008]; [0022]; [0038]);
- detecting a same user opening up the same web page form (see e.g., [0007]-[0008]; [0022]; [0038]); and
- filling in the fields in the opened web page form with the information saved from the web page form from the prior on-line

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

web-session (see e.g., [0007]-[0008]; [0022]; [0038]).

Claims 17-18, 20-13, and 25-26 lack novelty based on their dependency to Claim 15.